

L 25987-66

ACC NR: AP6016098

Fluid of virus-infected chick embryos displayed hemagglutinating activity for from 14 to 40 hours following infection. Hemagglutinating activity was also detected in the cultural medium of infected chick embryo tissue and continuous swine embryo kidney cultures. The hemagglutination titers of allantoic fluid were 1:128 to 1:2,048. The specificity of the hemagglutination reaction was proved by hemagglutination-inhibition reaction with sera of guinea pigs immunized with Kemerovo virus. (To eliminate nonspecific inhibitors, the sera were treated with a 2% kaolin suspension.) Thus it can be definitely established that the investigated strains of Kemerovo virus are closely interrelated and similar from the antigenic standpoint. Orig. art. has: 7 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 07Sep64 / ORIG REF: 002 / OTH REF: 001

Card 2/2 *jt*

PIVANOVA, A.M.

Step ladder for interior decoration work. Suggested by A.M.  
Pivanova. Rats. i isobr. v stroi. no. 9:63-65 '59.  
(MIRA 13:1)

1. Po materialam tresta Naootdelprom Glavmosstroya, Moskva,  
Bol'shaya Bryannaya, d.29.  
(Ladders)

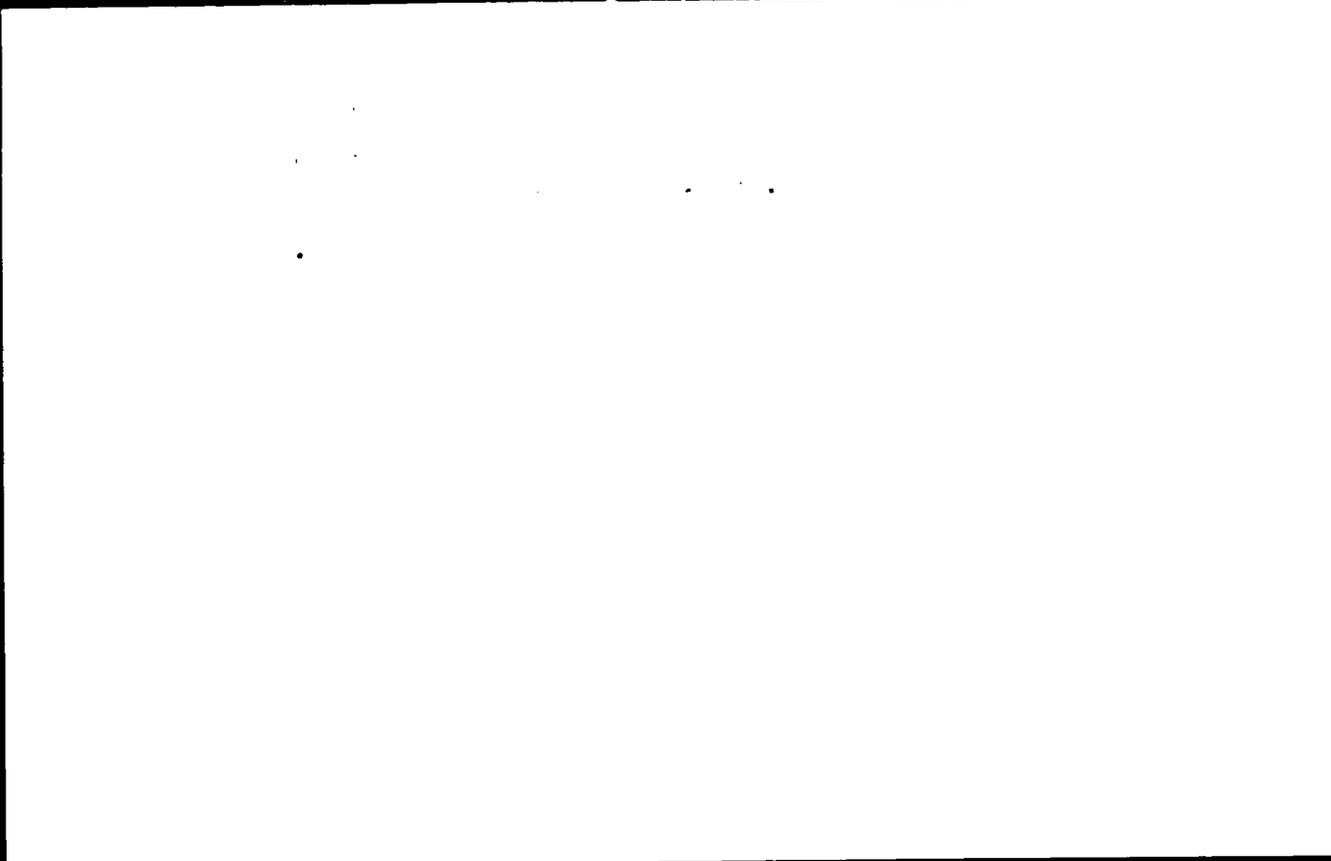
PETROV, V.A.; PALLADIYEV, N.M.; PIVANOVA, P.S.

Methodology for determining the dosage rates for the gonads during X-ray diagnosis procedures. Vestn. rent. i rad. 38 no.3: 56-59 My-Je '63. (MIRA 17:7)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy radiologii (direktor Ye.I. Vorob'yev) Ministerstva zdravookhraneniya SSSR.

**"APPROVED FOR RELEASE: Tuesday, August 01, 2000**

**CIA-RDP86-00513R001341**



**APPROVED FOR RELEASE: Tuesday, August 01, 2000**

**CIA-RDP86-00513R0013411**

3/134/62/000/001/001/00  
D215/0508

AUTHORS: Petrov, V. K., Palladiyeva, N. M. and Pivanova, P. S.

TITLE: Dosimetric and qualitative characteristics of primary and scattered X-ray radiation of the YPA-110-K-4 (URD-110-K-4) diagnostic apparatus

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 3, 1962, abstract 3-5-21 n (Vestn. rentgenol. i radiol., no. 2, 1962, 42-47 (summary in Eng.))

TEXT: The authors describe a method and results of investigations of dosimetric and qualitative characteristics of direct and diffracted X-ray radiation in air without a scattering object. The investigations were carried out in order to determine the doses that reach individual regions of the body in roentgenoscopic analyses. The measurements were accomplished by means of specially prepared small-size cells of air-equivalent material together with the RM-1 (RM-1) roentgenometer. It has been established that the power doses in air amount to 1 - 15 r/min for 45 - 102 kV voltage, 3 mA

Card 1/2

Dosimetric and qualitative ...  
 current intensity and 0.5 mm Al filter. The power losses are con-  
 siderably reduced by employing thicker filters. On the basis of  
 the measurements described, a correct choice is possible of his-  
 tinct optimum operating conditions in mass X ray diagnostics. 7  
 references. / Abstracter's note: Complete translation. /

S/ 194/02/000/009/054/100  
 J215/D308

Card 2/2

PETROV, V.A.; OSIPOV, I.S.; PIVANOVA, P.S.; NOVIKOVA, R.E.

Distribution of doses in the surface layers of the tissue  
along the beam axis of the GUT-Co-400-1 gamma apparatus.  
Med. rad. 8 no.7:78-81 JI '63. (MIRA 17:1)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta  
meditsinskoy radiologii (dir. Ye.I. Vorob'yev) Ministerstva  
sdravookhraneniya SSSR.

PETROV, V.A. (Leningrad, P-183, naberezhnaya Chernoy rechni, d.10, kv.45);  
PALLADIYEVA, N.M.; PIVANOVA, P.S.

Dosimetric and qualitative characteristics of the primary and diffuse  
X-ray irradiation from the URD<sub>D</sub>-110-K-4 diagnostic apparatus. Vest.  
rent. 1 rad. 37 no.2:42-47 Mr-Ap '62. (MIRA 15:4)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy  
radiologii (dir. - prof. M.N.Pobedinskiy) Ministerstva zdravookhraneniya  
SSSR.

(RADIATION--DOSE) (X RAYS--APPARATUS AND SUPPLIES)

S/146/61/004/001/013,016  
B104/B203

**AUTHORS:** Petrov, V. A., Palladiyeva, N. M., Pivanova, P. S.

**TITLE:** Possibilities of improving the sensitiveness of the RM-1 X-ray dosimeter

**PERIODICAL:** Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, v. 4, no. 1, 1961, 105-110

**TEXT:** The authors point to the shortcomings of industrial dosimeters of the types PM-1 (RM-1), PM-1M (RM-1M), KPM-1 (KRM-1), and MPM-1 (MRM-1); they have a much too large ionization chamber (about 1000 cm<sup>3</sup>), and do not permit radiations of low energy and intensity to be measured. As the authors had to perform a number of special measurements at radiations of 45-100 kv, they used special thin-walled chambers for an RM-1 X-ray dosimeter. They attained an increase in sensitiveness by enlarging the ionization volume and changing the electric circuit. The material chosen for the chambers was Cellon with a  $Z_{\text{eff}} = 7.2$  near the  $Z_{\text{eff}}$  of air (7.4). The walls were made of air-equivalent material. Fig. 2 shows a diagram

Card 1/4

Possibilities of improving ...

S/146/61/004.001, 013, 016  
B104/B203

of the two chambers. The chambers are attached to the bases 1, a Teflon packing 2 and a metal rod 3 are fixed to the base. 4 is a graphite electrode, and 5 is the air-equivalent layer. The instrument was calibrated with a non-Soviet "Momentan" instrument. Results showed that the sensitiveness of the RM-1 instrument could be increased by the 14-fold with chamber I (Fig. 2), and by the 60-fold with chamber II, as compared with the usually employed intracavitary chamber. A further increase in sensitiveness was achieved by adapting the measuring bridge of the vacuum-tube voltmeter with chamber II, whereby the improvement could be increased to the 130-fold. The sensitiveness, still not yet meeting the authors' demands, could be increased to about the 1000-fold with the use of a 6H3П (6N3P) tube of higher transconductance. Thus, it was possible with this instrument to measure X-radiations of from 0.001 r upward, both in a direct X-ray beam and in disperse X-ray light. The publication of this article was recommended by the Kafedra tekhniki bezopasnosti (Department of Safety Engineering). There are 5 figures, 2 tables, and 2 Soviet-bloc references.

Card 2/4

Possibilities of improving ...

S/146/61/004/001/013/015  
B104, B203

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Ul'yanova (Lenina) (Leningrad Electrotechnical Institute imeni V. I. Ul'yanov (Lenin)). Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii (Central Scientific Research Institute of Medical Radiology)

SUBMITTED: March 21, 1960

Card 3/4

Possibilities of improving ...

S/146/61/004/001/013/016  
B104/B203

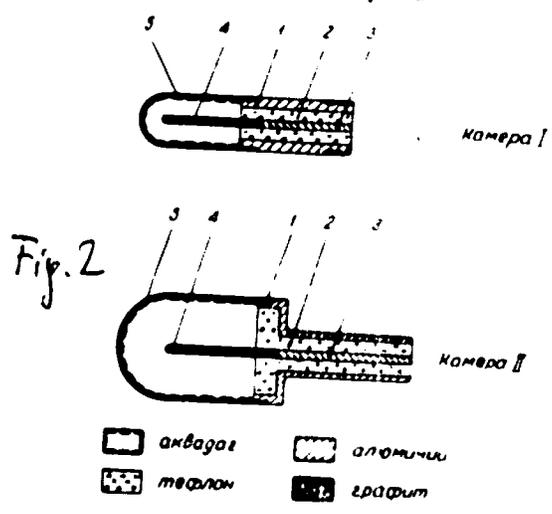


Fig. 2

камера I

камера II

- акварел
- алуминий
- тефлон
- графит

Card 4/4

Fig. 2

PETROV, V.A.; OSIPOV, I.S.; PIVANOVA, F.S., NOVIKOVA, R.E.

Relation of the surface dose distribution in gamma therapy  
to the state of collimation. Med. rad. 9 no.2:86-89 F '64.

(MIRA 17:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy  
radiologii (dir. Ye.I. Vorob'yev) Ministerstva zdravookhraneniya  
SSSR.

YUGOSLAVIA/Plant Diseases - Diseases of Cultivated Plants. 0

Abs Jour : Ref Zhar Biol., No 1, 1959, 2015

Author : Pivar, A., Gajk.

List :

Title : Commonly Encountered Diseases and Pests of Gardens and Vineyards of Yugoslavia and Their Control

Orig Pub : Bibliogr. Jurnali., 1959, No 2, 69

Abstract : N. abstract.

Card 1/1

PIVARELIS, V. P.

The method of graphic correlation as applied to hydrology. Trudy  
Kazan. fil. AN SSSR. Ser. energ. i vod. khoz. no. 4:141-146 '59.  
(MIRA 13:8)

1. Institut Giprovdokhoz Ministerstva sel'skogo khozyaystva SSSR.  
(Hydrology-Tables, calculations, etc.)

PIVARELIS, V. P., Eng.

Hydrology

Some problems of planning the development of hydrology. *Sidr. i mel.* 5, No. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

USSR/Cultivated Plants - Grains.

M.

- Abs Jour : Ref Zhur - Biol., No 4, 1958, 15508
- Author : Pivazyan
- Inst : The Agricultural Institute of the Armenian SSR.
- Title : A Study of Several Quantitative Characteristics of New Summer Wheat Hybrid Lines under Varying Ecological Conditions.  
(Izucheniye nekotorykh kolichestvennykh priznakov novykh gibridnykh liniy yarovkh pshenits v razlichnykh ekologicheskikh usloviyakh).
- Orig Pub : Izv. AN ArmSSR, biol., 1 s.-kh. n., 1957, 10, No 3, 75-84.
- Abstract : New hybrid summer wheat lines obtained at the Agricultural Institute of the Armenian SSR were studied in different highly mountainous sayons of the Republic.

Card 1/2

23

PIVAZYAN, S.M.

Studying certain quantitative indexes of new hybrid spring wheat lines under different ecological conditions [in Armenian with summary in Russian]. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 10 no. 3:75-84 Apr '57. (MLRA 10:5)  
(Armenia--Wheat--Varieties)

TRESHCHINSKIY, A.I.; NIKOLAYEV, Yu.A.; UMANSKIY, M.A.; MELAN, S.N.;  
LAVINETS, A.S.; MALOVICHEKO, A.Ya.; PIVCHIK, D.Z.

Effect of andaxin on healthy people. Vrach. Gole no. 11:149-150  
N '62. (MIRA 16:2)

1. Kafedra torakal'noy khirurgii i anestezologii (sav. - prof.  
N.M. Amosov) Kiyevskogo instituta usovershenstvovaniya vrachey.  
(MEPROBAMATE)

PIVCHIK, D.T. (Ternopol', ul. Krupskoy, d.24)

Possible local reactions of tissue to novocaine administration.  
Nov. khir. arkh. no.4:109 J1-Ag '60. (MIRA 15:2)

1. Khirurgicheskoye otdeleniye (zav. - dotsent Yu.T.Komorovskiy)  
Ternopol'skoy gorodskoy bol'nitsy.  
(LOCAL ANESTHESIA) (NOVOCAINE)

DOSKOCILOVA, D.; PIVCOVA, H.; SCHNEIDER, B.; CEFELIN, P.

On the structure and properties of polyamides. Pt.4. Coll  
Cz Chem 28 no.7:1867-1876 J1 '63.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy  
of Sciences, Prague.

3

CZECHOSLOVAKIA

DOSKOCILLOVA, D; PIVCOVA, H; SCHEIDER, B; CEFELIN, P.

Institute of Macromolecular Chemistry of the Czechoslovak  
Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 7, 1963, pp 1867-1876

"On the Structure and Properties of Polyamides. IV. Infra-  
red Spectra of Poly-gamma-Methylcaprolactam and of  
Amorphous Polycaprolactam."



PIVCOVA, Hana; SCHNEIDER, Bohdan

Low-temperature cell for infrared spectroscopy. Chem listy 57  
no.10:1068-1069 0 '63.

1. Ustav makromolekulární chemie, Československá akademie věd,  
Praha.

PIVDVAROV, S.P.

25711

Vyshelegarniki v elektricheskdisepi sodershashchei indvktivnost's zhelezom i  
enkost'. Elektrichestvo, 1949, No. 8, s. 38-40.

SO: LETOPIS' No. 34

MINK, E., SPONAR, ...

Deoxyribonucleic acid ... No. 5:  
1:22-12:15 My ...

. Institute of Molecular Biology and Genetics ...  
Ministry of Health ...

INCA, 00; 1950, 00; 1950, 00.

Deoxyribonucleic acid (DNA) is a long, thin, thread-like molecule that carries the genetic information that determines the development and function of an organism. It is composed of two strands of nucleotides that are joined together by hydrogen bonds.

The structure of DNA is a double helix, which is a twisted ladder. The two strands of the ladder are made of sugar-phosphate groups, and the rungs of the ladder are made of nitrogenous bases. The bases are adenine, thymine, guanine, and cytosine.

SPONAR, J.; PIVEC, L.; MUNK, P.; SORMOVA, Z.

Deoxyribonucleic acids in solution. Pt. 1. *Coll Cz Chem* 29  
no. 1:289-299      Ja'64

1. Institute of Organic Chemistry and Biochemistry and Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague.

MINK, P.; SPONAR, J.; PIVEK, L.

Deoxyribonucleic acids as a source of P. 2. 1981. Cz  
chem 24 no. 4: 88-92. Apr 81.

1. Institute of Macromolecular Chemistry and Institute  
of Organic Chemistry and Biotechnology, Czechoslovak  
Academy of Sciences, Prague.

CZECHOSLOVAKIA

ZADRAZIL, S., PIVEC, Z.; SPONAR, J.; SORMOVA, Z.

Institute of Organic Chemistry and Biochemistry,  
Czechoslovak Academy of Sciences, -Prague - (for all).

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 11, November 1965, pp 3920-3926.

"Isolation of low-molecular dna from various animal  
tissues."

CZECHOSLOVAKIA

PIVEC, L.; ZADRAZIL, S.; SPONAR, J.; SOHRKOVA, Z.

Institute of Organic Chemistry and Biochemistry,  
Czechoslovak Academy of Sciences, Prague - (for all).

Journal, Collection of Czechoslovak Chemical Communi-  
cations, no 11, November 1965, pp 3929-3935.

"Physico-chemical characteristics of low-molecular ana  
from calf thymus."

PIVEC, R.; KREJZKOVA, V.

Experiences with PAS in the treatment of tuberculosis. Prakt.  
lek., Praha 31 no. 12:280-282 20 June 1951. (CLML 22:3)

1. Of Albertinum Sanatorium (Director--Fr. Mydlil, M. D.)

KOPOTILOV, O.M., inzh.; PIVEN', A.M.

Arrangement for magnetizing permanent magnets of ER-1 and  
SKR-1 relays. Avtom.telem. i sviaz ' 3 no.12:38 D '59.  
(MIRA 13:4)

1. Nachal'nik laboratorii signalizatsii i svyazi Tomskoy  
dorogi (for Piven').  
(Electric relays) (Electromagnets)

KOPOTILOV, O.M., insh.; PIVEN', A.M.

Protecting signaling, central control, block system, and telecommunication cables from electrolytic corrosion. Avtom., telem. i svyaz' 2 no.10:40-41 O '58. (MIRA 11:10)

1. Eschal'nik laboratorii signalizatsii i svyazi Tomskoy dorogi (for Piven').

(Electric cables) (Electrolytic corrosion)

PIVEN', D.S.; PORTNOY, L.Ya.; LOGINOV, V.P.; UGRYUMOV, I.V.

Incubation of duck eggs on our state farm. Ptitsevodstvo  
9 no.10:18-20 0 '59. (MIRA 13:2)

1. Direktor ptitseevkhosa "Yasnaya Plyana", Stavropol'skogo  
kraya (for Piven'). 2. Glavnyy sootekhnik ptitseevkhosa  
"Yasnaya Polyana," Stavropol'skogo kraya (for Portnoy).  
3. Glavnyy vetvrach ptitseevkhosa "Yasnaya Polyana", Stavropol'-  
skogo kraya (for Loginov). 4. Zaveduyushchiy inkubatororiyam  
ptitseevkhosa "Yasnaya Polyana," Stavropol'skogo kraya (for  
Ugryumov).

(Incubation) (Ducks)

POKROVSKIY, S.N.; LEYZERMAN, L.I.; IVANOVA, L.M.; PIVEN, G.G.

Brief news. Med. paraz. i paraz. bel. 32 no.1:124-125 Ja-F'63.  
(MIRA 16:10)

PIVEN', G.I., inzh.

Reducing the emanations of methane during mining operations.  
Shakht.stroi. no.4:18-19 Ap '59. (MIRA 12:5)  
(Coal mines and mining--Safety measures) (Methane)

PIVEN', G.I., inzh.

Gas removal from thick coal seams. Bezop.truda v prom. 3  
no.9:6-7 S '59. (MIRA 13:2)

(Mine gases--Safety measures)

PIVET', G.I., geray inshener; RYKOVSKIY, A.V., geray inshener.

Coal mine engineers need machinery of new design. Mekh. trud. rab.  
9 no.11:23 # '55. (MLRA 9:2)

(Coal mining machinery)

PIVEN<sup>0</sup>, G.I., inzh.

Using precast reinforced concrete supports in Karaganda  
Basin mines. Shakht. stroi. G.N.S.3:21-23 Mr'63 (MIRA IV:')

1. Kombinat Karagan. IASHAN. 1970.

PIVNI, G.I., goruy inshener; DASHKO, M.F., geolog.

Sinking mine shafts under conditions prevailing in the Churubai-  
Bura district. Ugol' 29 no.11:15-18 '54. (MLBA 7:11)

1. Karagandinskoye otdeleniye tresta Soyuzshakhtosusheniye.  
(Sherubai-Bura Valley--Shaft sinking)

Category : USSR/General Problems - Problems of Teaching

A-3

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 69

Author : Yavorskiy, A.M., Piven, G F

Title : Polytechnic Preparation of Future Physics Teachers

Orig Pub : Radyans'ka shkola, 1956, No 4, 23-32

Abstract : No abstract

Card : 1/1

PIVEN', G.I., inzh.

Mine crossie of reinforced concrete Shakht. stroi. 7 no. 0  
25-26 Je '63. (MIRA 16 7)

1. Kombinat po stroitel'stvu shakhtnykh sooruzheniy Karagandin-  
skogo ugol'nogo basseyna.  
(Mine railroads—Tiras)

*PIVEN, G.I.*

**USSR.**

✓ 2078. SINKING OF MINE SHAFTS UNDER CONDITIONS OF CHUTUBAI-IRRA RESICH.  
Piven, G.I. and Dashko, N.F. (Ugol (Coal), Nov. 1954, 15-18). An illustrat-  
ed account is given of sinking operations in the Karazanda coal field. Water-  
filled sand down to 70 m was dealt with by dewatering and sinking linings (part  
reinforced concrete and part steel rings) in preference to freezing, which  
would have been slower. (L).

85-58-4-25/36

AUTHOR: Piven', I.

TITLE: Instructors' Courses (kursy instruktorov)

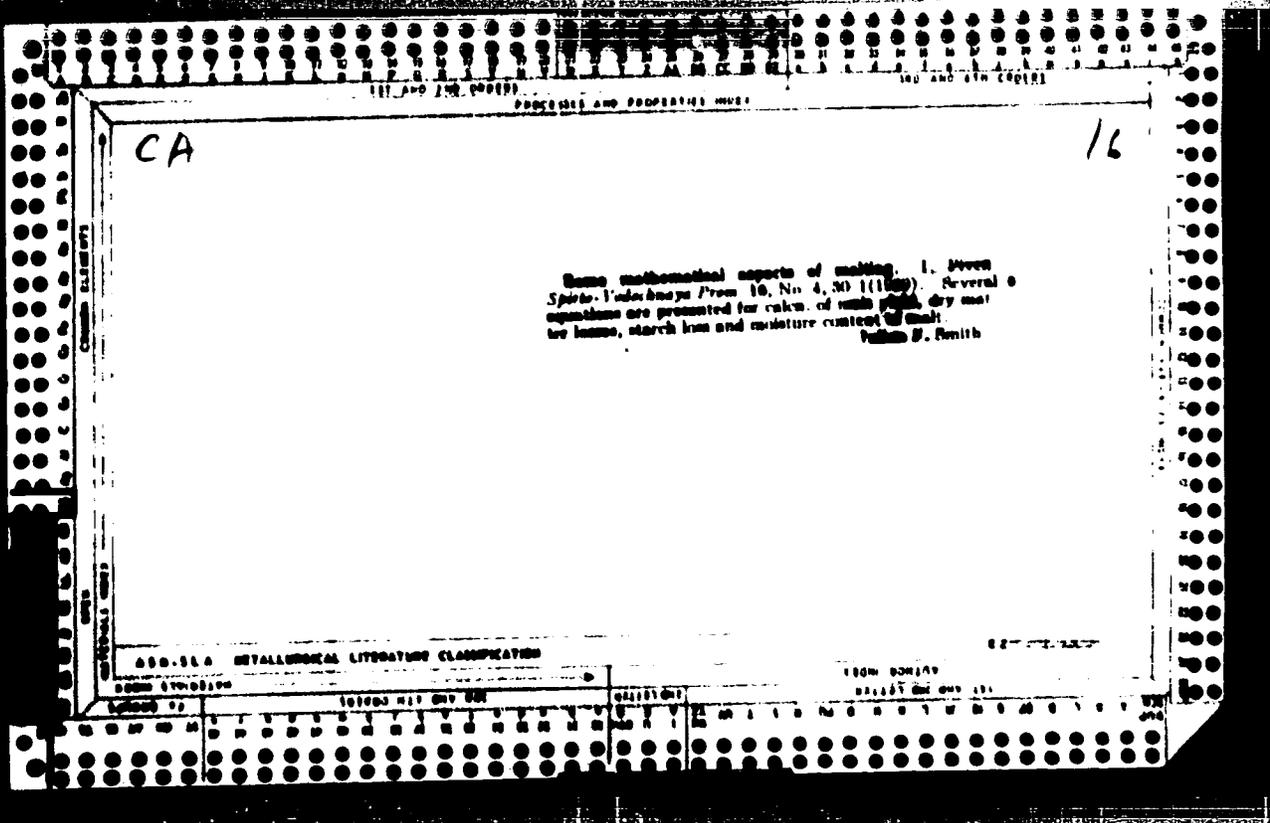
PERIODICAL: Kryl'ya rodiny, 1958, Nr 4, p 24 (USSR)

ABSTRACT: The Poltava Oblast DOSAAF Committee, together with the Oblast Committee of Public Education, has organized 10-day training courses for public instructors who are leaders of model airplane groups. 38 people attended the courses.

AVAILABLE: Library of Congress

1. Airplanes-Model-Instructors

Card 1/1



BELMAN, Nuliy L'kovich; N. CHAYNE, V.I., inzh., retirement; I.I.I.I.,  
D.D., kand. tekhn. nauk, retirement; S. SLYAKIN, V.V.,  
nauchn. red.; NINA KURAYA, Ye.Ye., red.

[Experimental investigation of the strength of ... mills.  
Eksperimental'noe issledovanie prochnosti krovnykh mlynov.  
Leningrad, Gostostroeni, 1971. 128 p. (U.S. 12:8)

P. V. E. N., I. D.

9(6) PHASE I BOOK EXPLOITATION SOV/2557

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Leningradskoye oblastnoye pravleniye

Frovolochnaya tenzometriya (Theory and Application of Wire Strain Gages) Moscow, Mashgiz, 1959. 138 p. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy, kn. 51) 3,500 copies printed.

Sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti.

Ed. I. A. M. Surichin; Ed. of Publishing House: M. A. Gufas. Tech. Ed. I. V. Shchetnikov; Managing Ed. for literature on the Technology of Machine Building (Leningrad Division, Mashgiz): Ye. P. Samoy.

PURPOSE: This collection of papers is intended for engineers, scientific workers, and technicians making calculations for strength in machinery.

COVERAGE: This is a third issue of the collection of scientific papers presented to the Scientific and Technical Conference on the Theory and Use of Measuring Devices in May 1958. The papers describe the use of instruments with wire strain gages to investigate different parameters of machine parts and mechanisms during operation. No personalities are mentioned. References follow several of the papers.

Matskevich, D. D. Use of Wire Strain Gages for Measuring Small Pressures, and Fluid-flow Velocities 38

Shal'nikov, G. I. Experience With the Use of Vibrometers with Wire Strain Gages For Measuring Amplitude and Frequency of the Vibrations of Small Surfaces 50

Arshanskiy, B. E. Vibrometers With Wire Strain Gages 55

Petrov, I. V. Universal Cathode-ray Oscillographic Equipment for Experimental Investigation of Machines. Possibilities for Improvement 60

Dumov, P. D. Counter for Strain Cycles (Deformations) of a Given Magnitude 73

Beranyov, D. S. Principles of Construction of Multichannel Strain-gage Instruments for Simultaneous Observation and Recording of a Series of Processes 79

Arshanskiy, B. E., and L. A. Leyfer. Semiconductor-type Voltage Converter for Feeding Strain-gage Instruments from Low-voltage D-C Sources 82

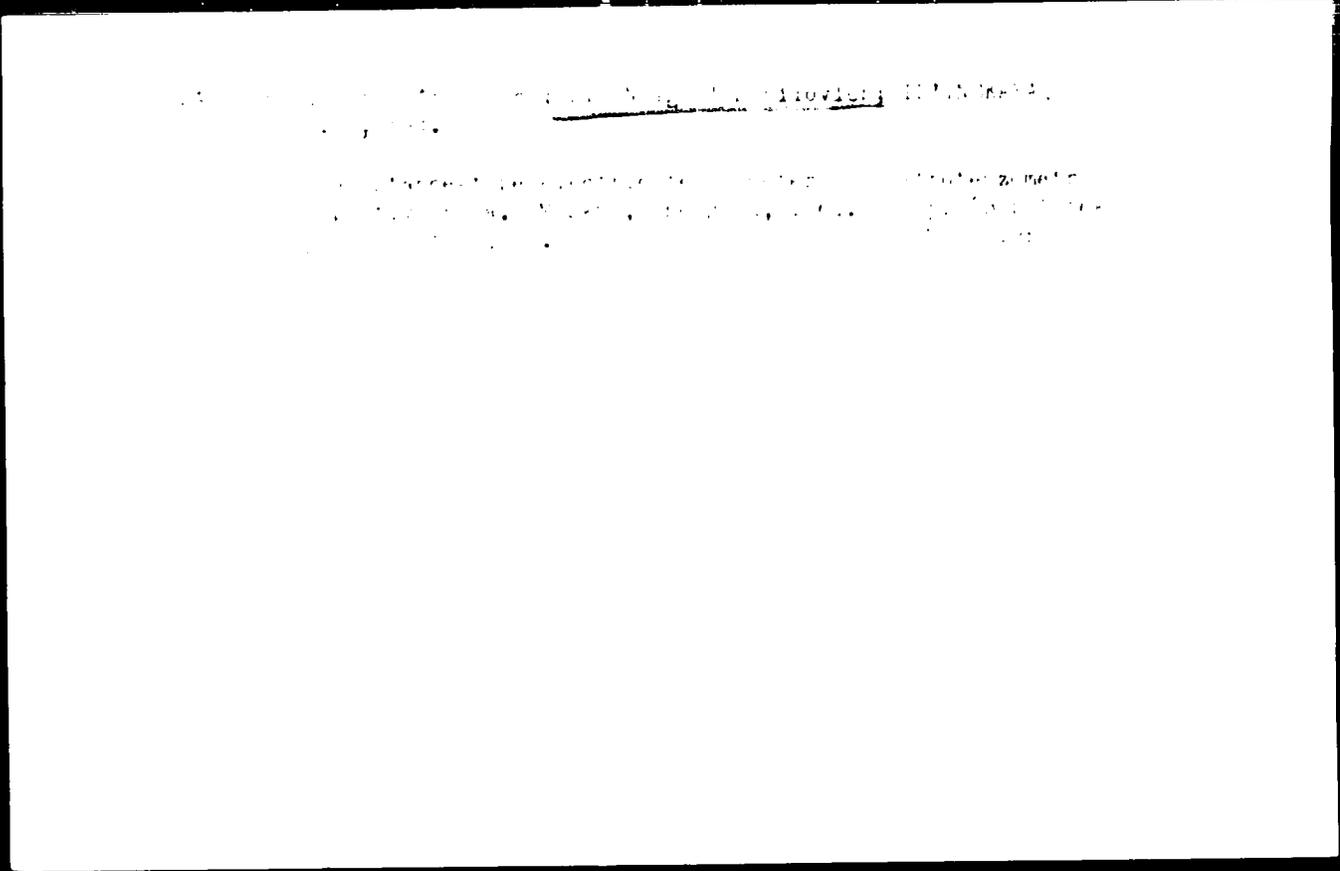
Polyakov, A. A. Current-wave Recording in Measuring Dynamic Processes With Strain Gages 100

Ornibovskiy, V. V. Method of Welding Circuit wires in an Experimental Investigation of the Deformations in Rotating Parts at Temperatures up to 4000 C. 104

Plazn, I. D. Problems of Calibrating Strain-gage Instruments During Izhveskiy, M. M. Accidental Errors in Dynamic Strain Measurement 122

Koltyshnev, A. S. Machine Tools for Winding wire Grids 134

AVAILABLE: Library of Congress



PIVEN, I.D.

Calibrating strain-measuring equipment during operational  
strength test. [Isd.] LONITOMASH 1:109-121 '59. (MIRA 12:12)

(Calibration) (Strain gauges)

Bcs

*Apparatus & Method of  
Testing*

908. The penetrometer method for the testing of workability in the manufacture of clay bricks.—I. S. KAINASKEY and I. Ya. PIVEN (*Sov. Keram.*, 7, No. 7, 13, 1960). The working properties of a plastic ceramic mix of a given comp. can be indirectly assessed by its water content. However, the water content of different clays of a normal working consistency varies over a wide range. The limits of workability of plastic mixes are set in practice by the making process used. Therefore, to test the quality of mix it is necessary to determine its workability rather than the water content. The cone penetrometer is both simple and reliable. (8 figs.)

PIVEN', I. Ya.

Topic/ Miscellaneous

Structural ceramics

Card : 1/1 Pub. 104 - 3/12

Author : Piven', I. Ya.

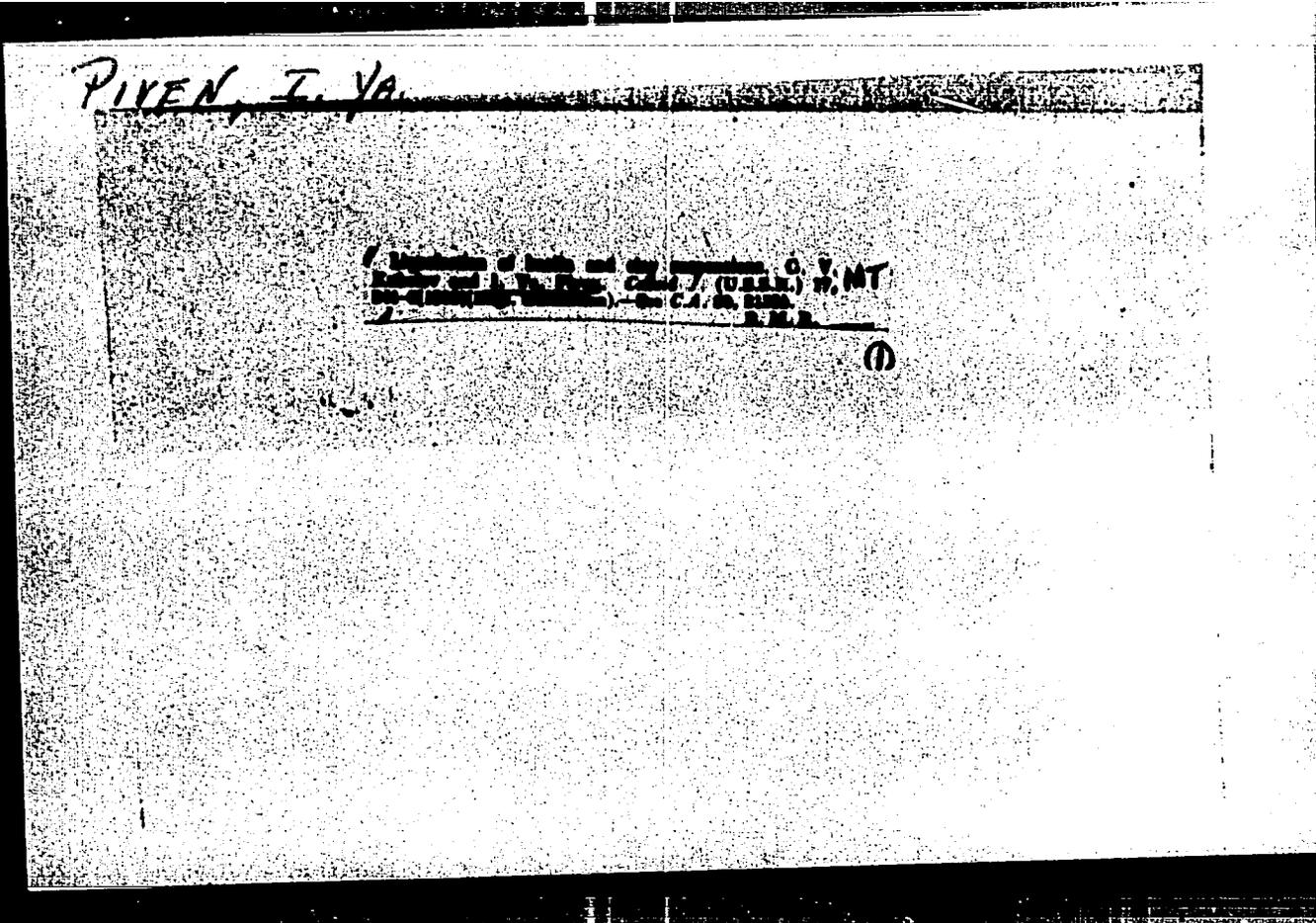
Title : Effect of temperature on the structural viscosity of ceramic suspensions and rate of tile forming

Periodical : Stok. i ker. 9, 8 - 9, September 1954

Abstract : The effect of temperature on the structural viscosity of kaolin and clay (ceramic) suspensions and the rate of tile formation is represented by viscosity-temperature graphs. Table.

Institution : ....

Submitted : ....



Pivan, I. Ya

MT  
 Investigation of kasha and clay suspensions. G. V. Kabanov and I. Ya. Pivan (Polytech. Inst., Kharkov), *Kolloid. Zh.* 19, 447-451 (1957).—The viscosity  $\eta$  of kasha suspensions was lowered by small additions of water glass and, especially, of (water glass + silic. extract of kasha) but greater additions of these reagents raised  $\eta$  again.  $\eta_{sp}/c$  increased, and  $\eta_{sp}/c$  of kasha decreased, the  $\eta_{sp}/c$  values being not linear in concn. below 0.005%. lowered  $\eta_{sp}/c$ . When water glass alone was used, a min. of the electrical zeta potential corresponded to the min. of  $\eta_{sp}/c$ . Ligands certainly impaired the whiteness of kasha but were recommended for growth of enrichments of kasha. J. J. Bierman

①

PIVEN, I. YA.

3

*NT* Effect of temperature on viscosity changes of Portland cement slurry. I. YA. PIVEN, Zhurnal, 21 (1) 21-31 (1966).—By varying the temperature it is possible to control the viscosity of Portland cement slurry at constant moisture content. With surfactants and electrolytes, optimum heating temperature is decreased by 5° to 10°. Increase in viscosity at 40° to 70° is due to the adhesion and coagulation of particles. B. Z. K.

*AM*

PIVEN, I. Ya.

Effect of reduced microhardness of mineral powders under the action of surface-active materials on their adsorption by pressing processes. I. B. Kabanikh and I. Ya. Piven (Soviet Chem. Lett., Kharkov), *Chemistry* 21, 27-9 (1967).  
 The specific effects of  $AlCl_3$  and  $Na_2CO_3$  added to the batches of magnesite, periclase, quartz powders, or of calcined fireclay (from Chasov-Yar raw material) are important for making a considerable reduction of the porosity of nonplastic ceramic bodies possible by the industrial mold-pressing process. This effect is, in the first place, an adsorption phenomenon which was studied by the analytical detn. of the ionic adsorption (in mg./100 g. of the powder, with grains below 30  $\mu$  diam.). The analytical data show that  $Al^{+++}$  is more intensely adsorbed than  $Cl^-$ . On MgO powders hydration to  $Mg(OH)_2$  occurs; pptn. of  $Al(OH)_3$  by a true chem. reaction and  $Mg^{++}$  appear in the soln. phase. The microhardness of the particles is distinctly decreased (by about 20% for  $AlCl_3$  and by about 23% for  $Na_2CO_3$ ). The pressed bodies show a reduction of porosity in both cases by about 3-4%; higher reductions are observed for  $Na_2CO_3$  than for  $AlCl_3$  addns. in magnesite powders; reversed conditions are observed in the bodies of calcined fireclay.

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 W. Bittel  
 M. M. T. B.

PIVEN', K., inzh.

Air-pump fire prevention system. Pozn.delo 9 no.10:14-15 0'53.  
(MIRA 1:12)

PIUSINKI, Wojciech

Trichinosis in polar bear (*Thalassosomatidae*). *Wiadomości  
Parazyt.*, Warszawa, 3 no. 5:467-471 1957.

1. Z Zakładu Anatomii Patologicznej Wydziału Weterynaryjnego SGGW w  
Warszawie.

(ANIMALS, diseases,  
polar bear, trichinosis (Pol))

(TRICHINOSIS, epidemiology,  
in polar bears (Pol))

PIVEN', I.Ya.; MIKHALKOVICH, S.I.; TEREKHOVSKIY, B.I.; CHERNYAK, Ya.N.,  
kand. tekhn. nauk

Research on methods for making expanded clay fillers. Stroi. mat.  
5 no.4:29-34 Ap '59. (MIRA 12:6)

1. Nachal'nik keramicheskogo tsokha Minskego eksperimental'nogo  
zaveda (for Terekhovskiy).  
(Clay)

PIVEN', I.Ye., kand. tekhn. nauk

Effect of cooling on the properties of keramzit glass. Stroitel'stvo  
mat. no. 11:24-25 N 165. (MIRA 18.12)

KUKOLBY, G.B.; LIVSON, Z.A.; BELIK, Ya.G.; PIVEN', I.Ya.

Changes in porcelain insulators after long use on high-voltage  
lines. Trudy KhPI 31 no.1:71-78 '59. (MIRA 13:10)  
(Electric insulators and insulation)

PIVEN', I.Ya.

Expanding clays in making keransit. Trudy KhPI 31 no.1:79-83 '59.  
(Clay) (Aggregates (Building materials)) (MIRA 13:10)

PIVEN', I.Ya., kand.tekhn.nauk; SHOLONOVA, E.M., mladshiy nauchnyy sotrudnik.

Determining the strength of keramsit grains. Sbor. trud. IUZHNI  
no.2:39-42 '59. (MIRA 13:9)

1. Khar'kovskiy politekhnicheskii institut im. V.I. Lenina.  
(Aggregates (Building materials)--Testing)

PIVER', I.Ya., kand.tekhn.nauk

Methods for determining suitability of clays used in making keramzit.  
Sbor. trud. IUZHNII no.2:4)-50 '59. (MIRA 13:9)

1. Khar'kovskiy politekhnicheskii institut im. V.I. Lenina.  
(Aggregates (Building materials)) (Clay)

*PIVEN' I. Ya*

USSR / Chemical Technology. Chemical Products  
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31554

Author : Kaynarskiy I.S., Piven' I. Ya.

Inst : Khar'kov Polytechnic Institute

Title : Adsorbent Additives as Porosity Reducers in  
Moldings of Mineral Powders

Orig Pub: Tr. Khar'kovsk. politekhn. in-ta, 1956, 8,  
191-193

Abstract: An analysis of the effects of adsorbent additives  
on porosity of moldings made from mineral pow-  
ders (technical alumina, corundum, burnt clay.

Card 1/2

PIVEN, I Ya.

72-12-5/14

AUTHOR: Piven', I. Ya.

TITLE: Colored Floor Tiles on the Basis of China Clay Raw Material (Tsvetnyye plitki dlya polov na osnove kaolinovogo syr'ya).

PERIODICAL: Steklo i Keramika, 1957, Nr 12, pp. 14-16 (USSR).

ABSTRACT: For the production of these floor-tiles the Slavyanskiy-, Druzhkovskiy works resp., use clays of best quality, without obtaining, however, a sufficiently light color. Therefore the possibility was investigated to produce the latter on the basis of secondary Polozhskiy-china clays and the third and fourth quality of humidly enriched Glukhovetskiy- and Kyshtynskiy-china clays. Since the sintering temperature for china clays is considerably higher than for the Druzhkovskiy- and Chasovskiy clays, fluxing materials are introduced into the layer in order to lower them, i. e. feldspar, broken window glass, fluorine-calcium, and chlorine-magnesium. The chemical composition of the initial materials is given in table 1. The burning is carried out at temperatures of 1140° and 1200°. The dye is added to the mass in solid state. In table 2 the characteristic of samples of layers of various composition, burnt at 1200°, is given, the samples which were burnt at 1140° showing a water absorption of more than 4%. The physical-chemical processes in the burning of tiles of china clay and

Card 1/2

*12:14-16 D '57*  
PIVEN', I.Ya.

Colored floor tiles made of kaolin raw materials. Stek. i ker. 14  
no.12:14-16 D '57. (MIRA 11:1)

1. Khar'kovskiy politekhnicheskij institut im. Lenina.  
(Tiles) (Kaolin)

S-113-597000/0127-17-97  
A052/A001

Translation from Referativnyy zhurnal, Elektrotehnika, 1959, No. 12, pp. 15-16,  
# 24022

AUTHORS Kukolev, G.V., Livson, Z.A., Piven', I Ya

TITLE The Effect of the Glaze Composition on Mechanical Strength of  
Porcelain Insulators

PERIODICAL Tr Khar'kovsk politekhnich in-ta, 1958, No. 18, pp. 27-28

TEXT: Glaze layer affects strongly mechanical, electric and chemical properties of porcelain insulators. The problem of the quality of glaze is handled by researchers differently. Some maintain that negative glazes having a higher coefficient of temperature expansion than porcelain reduce the tensile strength of insulators, on the contrary, positive glazes with a lower coefficient of temperature expansion increase the mechanical strength of porcelain. Others believe that only unstressed glazes increase the mechanical strength of insulators. It is also maintained that an increase in the mechanical strength of glazed porcelain is determined by surface phenomena on the porcelain-glaze boundary. The quality

Card 1/3

S/112/54.000.011.01.01  
A052/A001

## The Effect of the Glaze Composition on Mechanical Strength of Porcelain Insulators

of glaze on insulators depends on the chemical composition of glaze, fineness of grinding, baking conditions, etc. In experiments carried out at the Insulator Plant imeni Artem (Slavyanski) was taken as a base, the composition of the glaze used at the Plant. This composition was changed by adding MgO, BaO, ZrO<sub>2</sub>, TiO<sub>2</sub> and other oxides. Glaze was applied to 8-like porcelain samples with the least cross-section of 2 cm<sup>2</sup>. The fineness of glaze grinding was 10 μ of the rest on a sieve with 10,000 meshes per cm<sup>2</sup>. The samples were prepared of a vacuumized substance, they were baked in a tunnel type furnace at a temperature of 1,320°C. The highest tensile strength was observed in samples with glaze having 3% ZrO<sub>2</sub> admixture. An addition of BaO or MgO yielded no increase of mechanical strength. An addition of TiO<sub>2</sub> increased mechanical strength of porcelain but also the refractoriness of glaze. An addition of Al<sub>2</sub>O<sub>3</sub> (3.5%) increased also tensile strength. On the contrary, SiO<sub>2</sub> did not give any increase of mechanical strength of porcelain or even decreased it. In a set of suspension insulators П-4,5 (P-4,5) coated with glaze with 3% ZrO<sub>2</sub>, a 20% increase of mechanical strength was observed at electric mechanical tests. In the increase in mechanical

Card 1/1

S:112/59/000/112/017/047  
AG52/A001

The Effect of the Glaze Composition on Mechanical Strength of Porcelain Insulators  
strength of glaze a certain role is played by the increase of cation coordination  
number (6 8 with Zr instead of 4 with Si) in the contact glaze porcelain layer  
There are 8 references

N.V.N.

Translator's note This is the full translation of the original Russian abstract

Card 3/3

PIVEN', K., inzh.

Completely automatic pumping unit. Sel'. stroi. 17 no. 4.17-18  
Ap '63. (MIRA 16:7)

(Pumping machinery)

PIVEN', K.Z.

Construction of air pump water-conduit units at compressor stations. Stroi. truboprov. 10 no.8:30-32 Ag '65.

(MIRA 18:11)

1. Gosudarstvennyy proizvodstvennyy komitet po obozrazheniyu zemledeliya i vodnoru khozyaystvu UkrSSR, Kiyev.

FIVE, K.Z., Inch.

How to improve the efficiency of the VE-1, 5 towerless pumping station. Mekh. stih. asp. L. no. 12, 1961. (MIRA 17:1)

PIVEN', K.Z., inzh. (Kiyev)

Automatic pneumatic pumping installations for low-discharge  
water conduits. Vod. i san. tekhn. no.11:11-15 N '63.  
(MIRA 17:1)

PIVEN', K.Z. (Kiyev)

Automatic pneumatic pumping unit for low-discharge towerless  
fire-fighting and drinking water cond. & ts. Mod. 1 san. tekhn.  
no.10:5-8 0 '61. (MIRA 14:11)  
(Pumping machinery)



PIVEN', K.Z., inzh.

Planning a water supply for fighting fires in villages. Stro:  
truboprov. 6 no.5:11-12 My '61. (MIRA 14:7)

1. Ukgiprogaz, Kiyev.  
(Water supply engineering)  
(Fire prevention)

PIVEN. K.Z., inzh.

Measures for changing and circulating water in reservoirs. Gig.  
i san. 28 no.1:74-77 Ja'63. (MIRA 16:7)

1. Iz Gosudarstvennogo soyuznogo proyektного instituta po pro-  
yektirovaniyu gazoprovodov i predpriyatiy gazovoy promyslen-  
nosti, Kiyev.

(WATER-SUPPLY ENGINEERING)

PIVEN', K.Z., inzh. (Kiyev)

Distribution of hydraulic equipment in water towers of compressor  
plants. Stroi. truboprov. 5 no.3:5-6 Mr '60. (MIRA 13:9)  
(Water towers-- Equipment and supplies)  
(Gas, Natural-- Pipelines)

PIVEN', K.Z., inzh.

Compressor stations without water towers. Stroi. truboprov. 3  
no.7:19 JI '58. (MIRA 12:1)  
(Water supply) (Pumping machinery)

PIVEN', K.Z. inzh.

Avoid the unnecessary in building compressor stations. Stroi.truboprov.  
3 no.12:19 D '58. (MIRA 12:1)  
(Compressors) (Industrial buildings)

PIVEN', K.Z.

Improving the system of water supply in small gas industry enterprises. Gaz.prom. 4 no.1:42-44 Ja '59. (MIRA 12:1)  
(Gas manufacture and works--Water supply)

SAPARGALIYEV, G.S., kand. yurid.nauk; PAL'GOV, N.N., akad.; BOGATYREV, A.S.;  
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nauk; POKROVSKIY, S.N., akad.; SAVOS'KO, V.K., kand. istor. nauk;  
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VODATSKIY, I.S., kand. istor. nauk; AKHMETOV, A., kand. istor. nauk;  
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ekonom. nauk; BOROVSKIY, V.A., kand. ekonom. nauk; SYDYKOV, A.S., kand.  
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KARYNBAYEV, S.R., kand. med. nauk; AKHMETOV, K.A.; SMIRNOVA, N.S.,  
doktor filolog.nauk; SIL'CHENKO, M.S., doktor filolog. nauk; YERZA-  
KOVICH, B.G., kand. iskusstvovedcheskikh nauk; RYBAKOVA, N.; MUKHTA-  
ROV, A.I.; BOGATENKOVA, L.I.; K NDAKBAYEV, B.; SIRANOV, K.S.; SHVYD-  
KO, Z.A., red.; MAMTSOVA, L.B., red.; ZLOBIN, M.V., tekhn. red.

[The Soviet Kazakh Socialist Republic] Kazakhskaya Sovetskaya So-  
tsialisticheskaya Respublika. Alma-Ata, Kazakhskoe gos. izd-vo,  
1960. 477 p. (MIRA 14:6)

1. Akademiya nauk Kaz.SSR (for Pal'gov, Pokrovskiy, Baishev)
2. Chlen-korrespondent Akademii nauk KazSSR (for Bykov, Smirnova,  
Sil'chenko)

(Kazakhstan)

PI. EN', N.I.

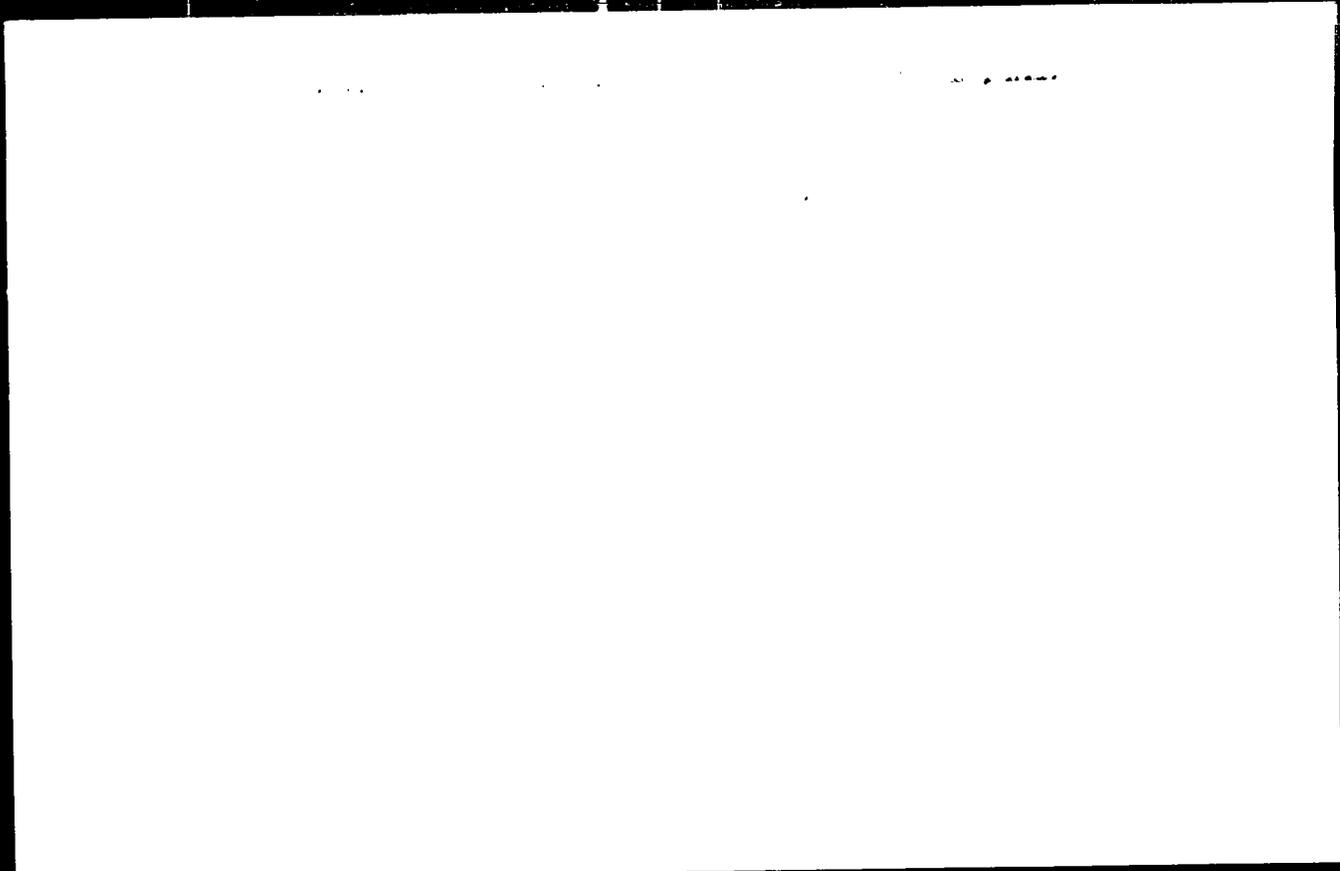
Role of the laboratory in canneries. Kons. i ov. prom. 15  
no. 2:38 P '60. (MIRA 13:5)

1. Vinnitskiy konservnyy kombinat.  
(Canning industry) (Testing laboratories)



"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411

VAIBER, G.S.; ...; ...; SATARIN, V.I.; ...  
uchastive: ...; MISHULOVICH, A.L., inzh.;  
... , ... , inzh.

Principal dimensions, ... and heat engineering parameters  
for a rotary kiln with a productive capacity of 3000 tons per  
day. Trudy P'zhgiprotsementa no.4:20-39 '63.

(MIRA 17:1)

L 40026-66

ACC NR: AP6004227

(A)

SOURCE CODE: UR/0331/65/000/012/0008/0010

AUTHOR: Piven', M. I. (Technological engineer)

12

ORG: none

B

TITLE: Improving the mechanized skidding of logs

SOURCE: Lesnaya promyshlennost', no. 12, 1965, 8-10

TOPIC TAGS: forest product, transportation equipment, WOODWORKING MACHINERY

ABSTRACT: An improved procedure for skidding log bundles into rafting ponds is described. The improvement devolves on the use of a self-disconnecting cable which frees choker setters from the time consuming task of disconnecting the chokers before the log bundle is skidded into the pond. A formula for calculating the efficiency of this operation is given. Orig. art. has: 3 figures, 3 formulas.

SUB CODE: 13,111 SUBM DATE: none

UDC: 634.0.378.1

Card 1/1

ITEM, .1.

New York Times, 1964, 10/10/64, p. 1, col. 1.  
O-D 1/5, (NY) 1/5/64

PIVEN', N.M.

Microconcentrate method of the preliminary field evaluation of  
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Siberian Plain. Trudy SNIIGGIMS no.1:98-99 '59. (MIRA 1: 1959)  
(West Siberian Plain--Ilmenite)

PIVEN', O.Ye.; GESKINA, D.S.

Some data on the use of corticosteroids in chronic suppurative  
otitis. Vrach.delo no.9:141-142 S '62. (MIRA 15:8)

1. 24-ya gorodskaya bol'nitsa, Dnepropetrovsk.  
(CORTICOSTEROIDS) (EAR--DISEASES)





СЛЕДСТВИЕ К ВОПРОСАМ ТЕХНИЧЕСКОГО НАУЧНО-ТЕХНИЧЕСКОГО

СЛЕДСТВИЕ К ВОПРОСАМ ТЕХНИЧЕСКОГО НАУЧНО-ТЕХНИЧЕСКОГО  
СЛЕДСТВИЕ К ВОПРОСАМ ТЕХНИЧЕСКОГО НАУЧНО-ТЕХНИЧЕСКОГО

PIVEN', P.K., red.; BARYSHNIKOVA, N.I., red.; PROTOPOPOVA, V.M., red.;  
IVANOVA, Yu.I., red.; CHERKANOVA, N.A., red.; KOSTKO, R.P., red.;  
PETROVA, O.Ye., red.; SYCHEVA, G.F., red.; CHURIKOVA, A.K., red.;  
POZDEYEV, A.P., tekhn.red.

[Economy of Tyumen Province] Narodnoe khoziaistvo Tiimenskoi  
oblasti. Omsk, Gos.stat.isd-vo, 1958. 198 p. (MIRA 12:3)

1. Tyumen oblast'. Statisticheskoye upravleniye. 2. Nachal'nik  
statisticheskogo upravleniya Tyumenskoy oblasti (for Piven').  
(Tyumen Province--Economic conditions)

САЛЕБНИКОВ, М.Г.; ПИВЕН', С.П.

Объезды дорог. Авт.дор. 28 кв.11:9-10

PIVET, V. D. and T. S. K. SLOV

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D. C. 1J54.K04

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PIVEN', V.D., kand. tekhn. nauk.

System of regulating bleeder turbines. Energomashinostroenie 3 no.10:  
16-17 0 '57. (MIRA 10:12)

(Steam turbines)

FIVEN, V. D. and KORNILOV, U. G.

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GARKAVI, Yu. Ye.; SMIRNOV, M. I.; PIVEN, V. I., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; VORONOV, A. A., kandidat tekhnicheskikh nauk, redaktor; POL'SKAYA, R. G., tekhnicheskii redaktor.

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[Microfilm]

(MLRA 8:1)

(Hydraulic turbines)